Minimum Number of Arrows to Burst Balloons (View)

There are some spherical balloons taped onto a flat wall that represents the XY-plane. The balloons are represented as a 2D integer array `points` where `points[i] = [x_start, x_end]` denotes a balloon whose **horizontal diameter** stretches between x_{start} and x_{end}. You do not know the exact y-coordinates of the balloons.

Arrows can be shot up **directly vertically** (in the positive y-direction) from different points along the x-axis. A balloon with x_{start} and x_{end} is **burst** by an arrow shot at x if $x_{start} <= x <= x_{end}$. There is **no limit** to the number of arrows that can be shot. A shot arrow keeps traveling up infinitely, bursting any balloons in its path.

Given the array `points`, return *the **minimum** number of arrows that must be shot to burst all balloons*.

Example 1:

```
Input: points = [[10,16],[2,8],[1,6],[7,12]]

Output: 2

Explanation: The balloons can be burst by 2 arrows:

- Shoot an arrow at x = 6, bursting the balloons [2,8] and [1,6].

- Shoot an arrow at x = 11, bursting the balloons [10,16] and [7,12].
```

Example 2:

```
Input: points = [[1,2],[3,4],[5,6],[7,8]]

Output: 4

Explanation: One arrow needs to be shot for each balloon for a total of 4 arrows.
```

Example 3:

```
Input: points = [[1,2],[2,3],[3,4],[4,5]]

Output: 2

Explanation: The balloons can be burst by 2 arrows:

- Shoot an arrow at x = 2, bursting the balloons [1,2] and [2,3].

- Shoot an arrow at x = 4, bursting the balloons [3,4] and [4,5].
```

Constraints:

- $1 <= points.length <= 10^5$
- $points[i].length == 2$
- $-2^{31} <= x_{start} < x_{end} <= 2^{31} - 1$